

# Appendix B.

## Features and Specifications

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- Microprocessor** • Z-80 CPU operating at 4 MHz.
- Memory** • 32K bytes EPROM standard  
• 32K RAM
- Cardreader** • Standard American Bankers Association (ABA) track 2 magnetic cardreader--accepts all major credit cards.  
• Optional ABA Track 1 cardreader.
- Display** • 16-character fluorescent alphanumeric with decimal point and comma.
- Miscellaneous** • Built-in calendar/clock chip for maintaining accurate date and time. Can be used with Printer 150 or 250 for date and time stamping of transactions, reports and receipts.  
• Internal lithium battery backup power source for RAM in the event of a power failure.  
• Display panel and keypad accepts alphanumeric characters including letters A through Z, numerals 0 through 9, and special characters \* , ' " - . # : ; @ (space).
- Communication** • Automatic dialing in any of five speeds  
• Auto-answer  
• Bi-directional local communications via RS-232 port.  
• Multiple terminals can share the same telephone line.  
• Terminal dials either touch tone or pulse (rotary mode) and accepts 32-digit telephone numbers.  
• Automatically dials host telephone and call center numbers.
- Modem** • Internal modem with modular jack.
- Model 202** • Standard TRANZ 330 (202) leased line configuration.  
• 1200 baud (Bell 202 type) modem.
- Model 212** • Standard Bell 212A high-speed dial-up modem 1200 and 300 baud.
- Model CCITT V.21/V.22** • Optional internal 300/1200 baud modem for international telephone systems.

## TRANZ 330 Reference Manual

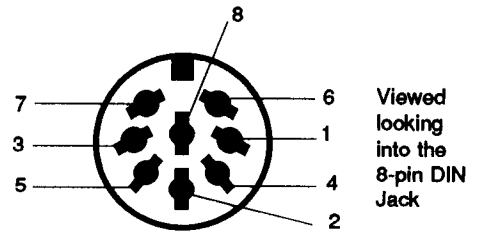
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- Restricted Memory Accessibility**
  - Memory can be locked by application and/or password protected to prevent accidental erasure and unauthorized tampering and reading of data.
- Multiple Transaction Capability**
  - TRANZ 330 terminal can process multiple transactions to the same host computer on a single dial-up. User selectable timeout to limit idle time between transactions.
- Custom Security and Fraud Control**
  - Built-in security and fraud controls including account number verification using Luhn check digit, displaying the magnetic stripe information for verification, and MasterCard "Blue Box" emulation for even more fraud control.
- User Programmable Password**
  - User programmable password locks memory to prevent unauthorized use of terminal.
- Selection of Transaction Data Formats**
  - TRANZ 330 includes 16 built-in transaction data formats to assist the programmer. These are industry standard formats with standard display prompts to handle many common transactions.
  - Options
  - Bar Code Wand (Code 39)
  - Encrypting PIN Pad
  - ZONTALK software for downloading application programs and maintaining terminal inventory.
  - Standard telephone
  - Slip printer
  - Roll printer
  - Custom keypad overlays
- Power Requirements**
  - Voltage: 120 volts AC, 60Hz
  - Power: 10W
- Environmental**
  - Operating Temperature: 0-40° C. 32-104° F.
  - Humidity: 0 to 90% relative humidity; no condensation.
- Dimensions and Weight**
  - Height: 1.5 in (38.10 mm)
  - Width: 5.6 in (143.10 mm)
  - Depth: 6.0 in (152.40 mm)
  - Shipping Weight: 2.2 lbs (1.0 kg)

## Appendix B: Features and Specifications

### RS232 Serial Port 8-Pin DIN connector

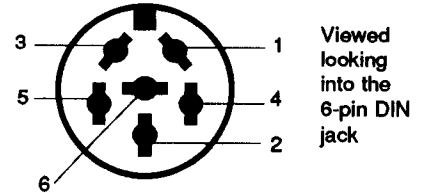
Pin	Function
1	GND - Signal Ground
2	DCD - Data Carrier Detect
3	RTS- Request To Send
4	CTS - Clear To Send
5	RXD - Receive Data
6	TXD - Transmit Data
7 & 8	No connection



NOTE: This port driver does not support XON/XOFF protocol or more than 1.5 stop bits.

### PIN Pad/Bar Code Serial Port 6-Pin DIN connector

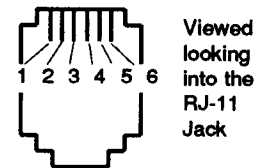
Pin	Function
1	+5 volts (through 4.7 ohm resistor)
2	Bar code receive data
3	PIN Pad receive data (input port)
4	PIN Pad transmit data (output port)
5	GND (through 47 ohm resistor)
6	+9 v unregulated PIN Pad power



### Serial Telephone Line (modem) Interface

PIN	Signal
1	(not used)
2	A
3	ring
4	Tip
5	A1
6	(not used)

#### DAILUP



- Uses a USOC RJ11 modular telephone jack to connect to ordinary dial-up telephone line. Four conductor telephone line cord with modular plugs furnished with terminal.
- Default modem data format: 7 data bits, even parity, 1 stop bit. Serial Interface

## TRANZ 330 Reference Manual

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Accessories	Part Number	Description
Direct Download Cable	00446-05	TRANZ 330 to IBM PC or compatible personal computer
	00446-04	TRANZ 330 IBM AT or compatible personal computer
	00490-00	TRANZ 330 to TRANZ 330
Printers	P002-114-XX	Printer 150 Slip Printer (Grey)
	10465-XX	Cable, TRANZ 330 to Printer 150 (standard mode)
	10392-XX	Cable, TRANZ 330 to Printer 150 (P100 emulation mode)
	10580-01	Stacker 5 (for use with Printer 150)
	P002-113-00	Printer 250 Roll Printer
	10448-XX	Cable, TRANZ 330 to Printer 250 (straight terminal connector)
	10454-XX	Cable, TRANZ 330 to Printer 250 (90-degree terminal connector)
	10580-01	Stacker 5 (for use with Printer 250)
	P002-116-00	Printer 500 Slip/Roll Printer
	10488-XX	Cable, TRANZ 330 to Printer 500 (straight terminal connector)
	10454-XX	Cable, TRANZ 330 to Printer 500 (90-degree terminal connector)
	10978-00	Cash Drawer Cable Adapter
	P002-117-00	Printer 600 Roll Printer
	10448-XX	Cable, TRANZ 330, ZON Jr XL, ZON II XJ, ZON II XPe, TRANZIT XPe, TRANZIT 1200C, ZON 530/531 to Printer 600
10454-XX*	Cable, ZON Jr XL, TRANZIT 1200C, ZON 540/541 to Printer 600 (90-degree connector)	
10512	Cable, ZON, ZON II to Printer 600	
*Not for use with metal case terminals ZON 530M, ZON 531M, ZON 540M and ZON 541M. Use cable P/N 10448-XX.		
Peripheral Devices	00302-03	BarCode Wand
	P003-104-01	PIN Pad 201 (Potted 1E Grey)
	01582-00	Cable, TRANZ 330 to PIN Pad 201
Programming Languages	P006-105-00	TCL Programming (TCLOAD manual and diskette)
Reference Manual	00368	TCL Terminal control Language Programming Manual
Consumables	You can now order consumables such as paper and ribbons by telephone or FAX. To order by phone, call 800-233-0522. To order by FAX, dial 714-434-2498.	